



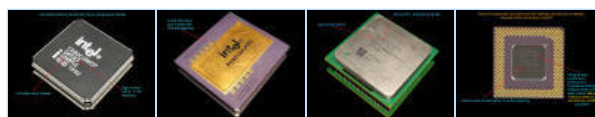
The chips in this section are **Engineering Samples**. This kind of chips were made **not for commercial use**, and are testing objects for engineers, mechanicals or selected customers. Some samples are extremely rare and very hard to find!

How can I identify a chip as a sample? Most chips have clear details. Either an acronym like **ES, CS, MS, QS** or full words like **Sample, Confidential, Prototype, Secret**,.....

For Intel chips and CPUs you should know that all later CPUs and chips have a spec number beginning with Q. So there are existing CPUs with no acronym marking but a spec number with Q on the beginning. That's definitely a sample, very rare and valuable.

Acronyms

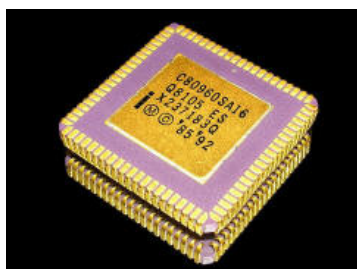
ES: Engineering Sample
CS: Customer Sample
MS: Mechanical Sample
QS: Qualification Sample



Some explanation on this pictures for samples and no samples

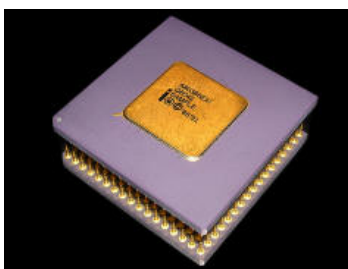
Intel Samples: CPU

C80960SA-16



Q8105 ES
extremely rare piece!!
[bottom view](#)

A80386EXI



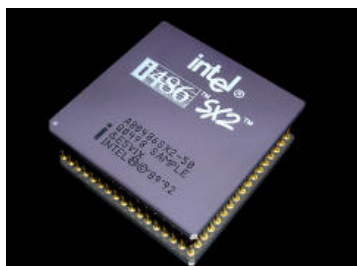
Q8042
extremely rare piece!!
[bottom view](#)

A80486DX ES



SXE61, USA
extremely rare piece!!
[bottom view](#)

A80486SX2-50



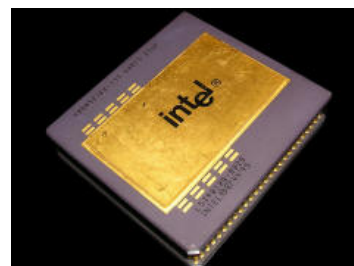
Q0498 SAMPLE
extremely rare piece!!
[bottom view](#)

A80860XR-40 EX



C.0, USA
extremely rare piece!!
[bottom view](#)

KB80521EX133



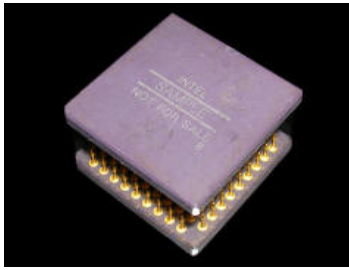
Q0815, Malaysia, 256kb Cache
very rare piece!!
[bottom view](#)

KB80521EX200



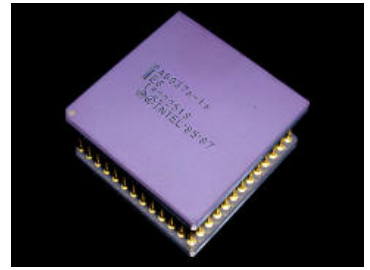
Q011, Malaysia, 512kb Cache
[bottom view](#)

80286 Sample 8 MHz



not for sale
[bottom view](#)

A80376-16



ES
[bottom view](#)

FA80C186CP



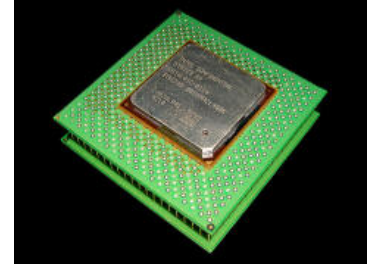
Q8583
[bottom view](#)

KU80C186EC16



Q8568
[bottom view](#)

80528PC1.4G0K



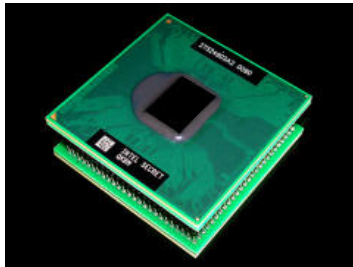
QY81ES
[bottom view](#)

RK80546HE0561M



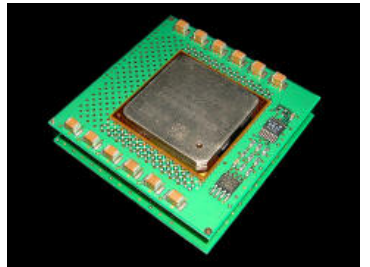
Q223 ES, 2.4 GHz
[bottom view](#)

933/1M/533 Celeron Mobile, Low Voltage



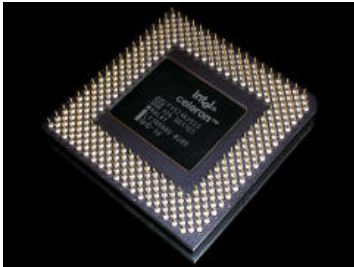
QKBM Intel SECRET
[bottom view](#)

80528KC 1.3G



QY89ES
[bottom view](#)

FV524RX533



QG11ES
[bottom view](#)

RB80526RY850128



QBC6ES, Malaysia
[bottom view](#)

P III 450MHz, MMC2 package



[bottom view](#)

80541KZ6672M



Itanium I, Q012 ES
[bottom view](#)

80541KZ6674M



Itanium I, QS05ES
[bottom view](#)

80542KC9003M

picture coming soon...

QUD7 QS
[bottom view](#)

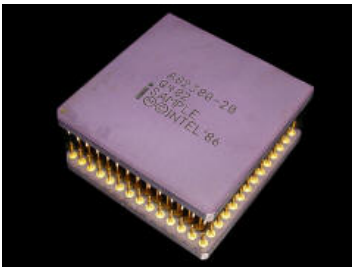
PII Mobile MMC1



Q761 Sample
[bottom view](#)

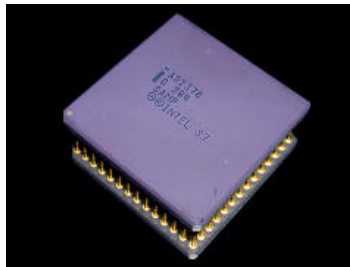
Intel Samples: all other

A82380-20



Q482 Sample, Malaysia
[bottom view](#)

A82370



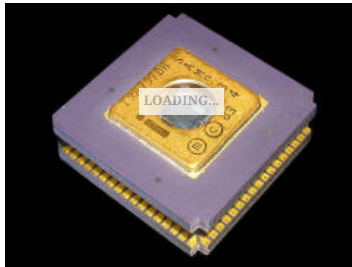
Q 204, SAMP, USA
[bottom view](#)

C27C203-55V05



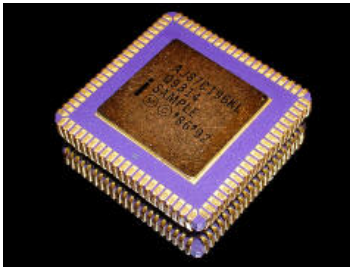
ES, Malaysia
[bottom view](#)

TR8797BH



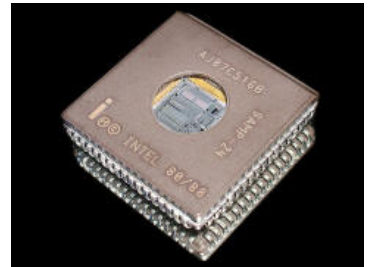
Sample, Malaysia
[bottom view](#)

AJ87C196KL



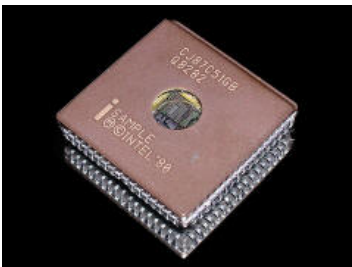
Q9314 SAMPLE
[bottom view](#)

AJ87C51GB



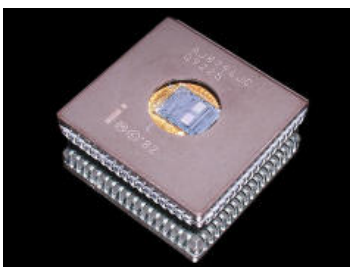
Korea
[bottom view](#)

CJ87C51GB



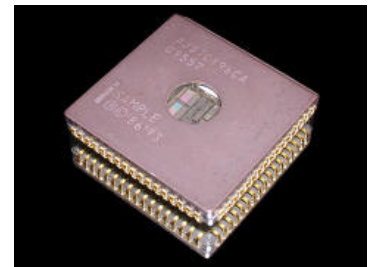
Q8282 Sample, Korea
[bottom view](#)

AJ9796JC



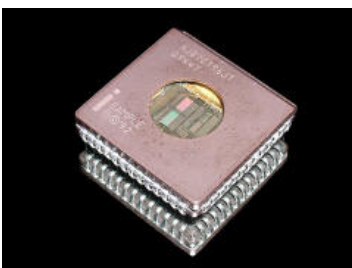
Q9225, Korea
[bottom view](#)

AJ87C196CA



Q9557, Sample, gold pins!
[bottom view](#)

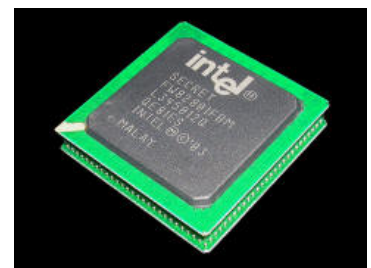
AJ87C196JT



AJ87C196KT



FW82801FBM

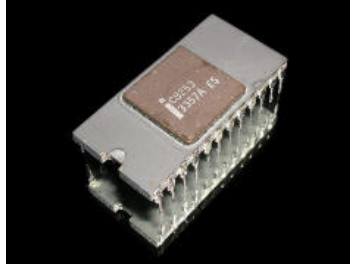


Q9447, Sample, Philippines
bottom view



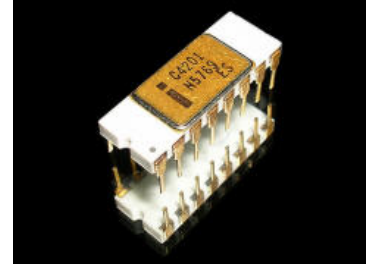
QS29 ES, "secret"

Q9405, SAMPLE, Philippines
bottom view



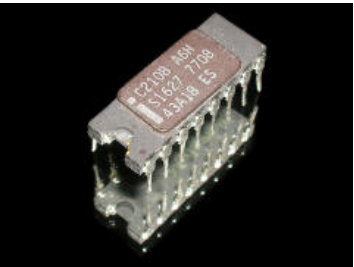
ES, 7708
bottom view

QE81ES, "secret"
bottom view



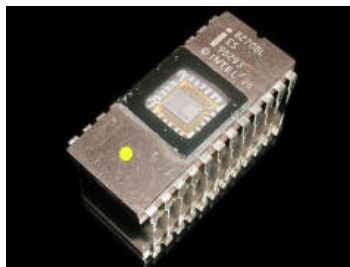
ES

C2108A6H



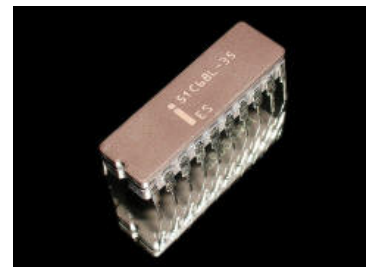
Malaysia, 7703
bottom view

B2708-L ES



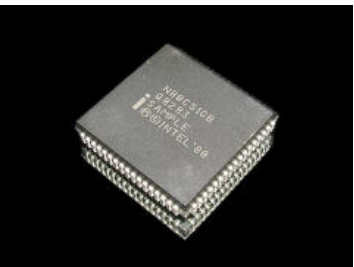
Malaysia, 7833
bottom view

51C68L-35



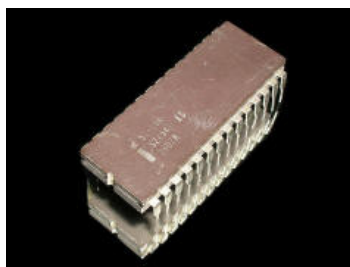
Malaysia
bottom view

N80C51GB



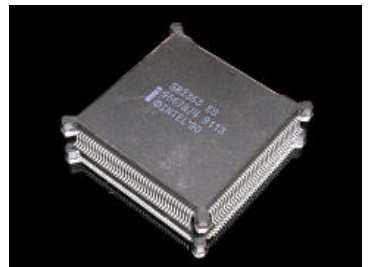
Q8283, Korea
bottom view

52-104



ES
bottom view

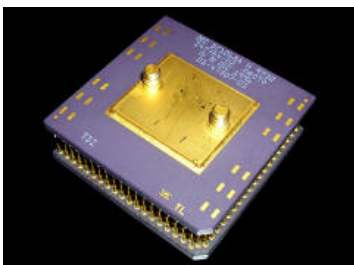
S82353 ES



ES

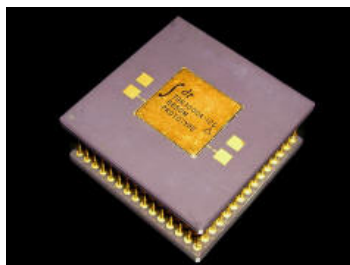
Other Manufacturer Samples

DEC 21-47307-01



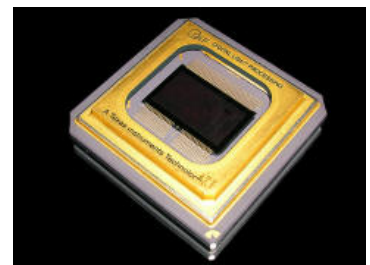
Prototype
bottom view

IDT R3000A



Military Prototype, USA
bottom view

Texas Instruments DLP-Processor

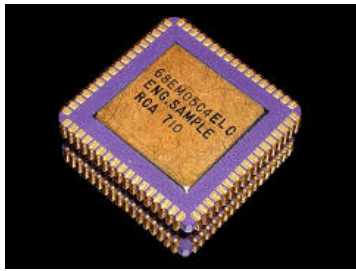


Sample
bottom view

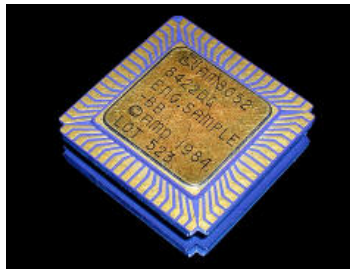
68EM05C4ELC

AM8052-BB

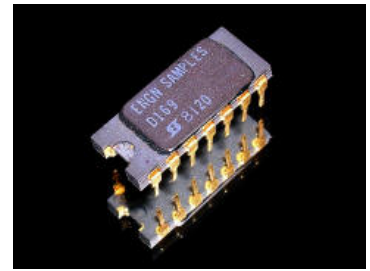
D169



ENG.SAMPLE
[bottom view](#)

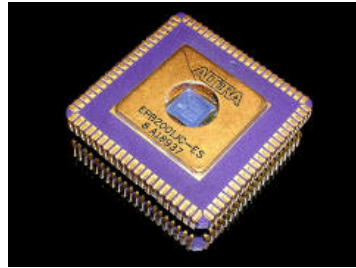


ENG.SAMPLE
[bottom view](#)



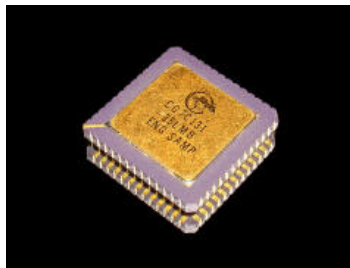
ENGN SAMPLES

ATERA EPB2001JC-ES



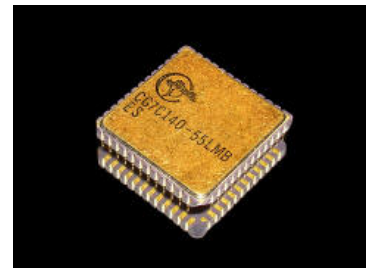
ES
[bottom view](#)

Cypress CG7C131-35LMB



Eng. Samp.
[bottom view](#)

Cypress CG7C140-55LMB



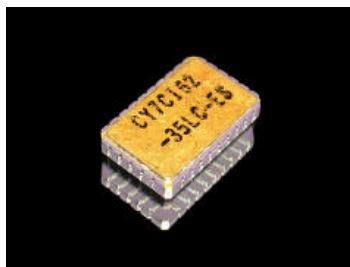
ES
[bottom view](#)

Cypress CY7C132-55LC



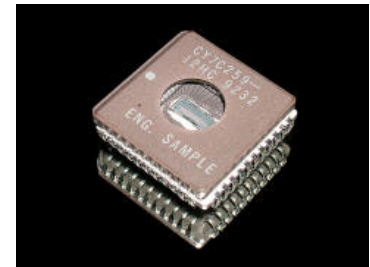
ES
[bottom view](#)

Cypress CY7C162-35LC



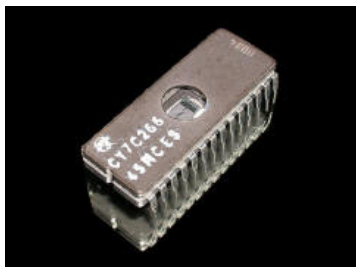
ES
[bottom view](#)

Cypress CY7C259-12HC



Eng. Sample
[bottom view](#)

Cypress CY7C266-45HC



ES
[bottom view](#)

Cypress CY7C277-30WC



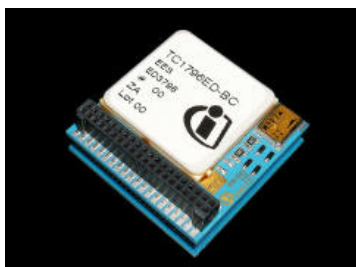
ES, USA
[bottom view](#)

Infineon TC1796-256F150E



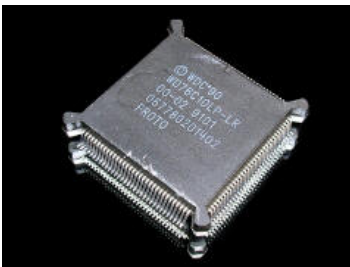
EES, early engineering Sample
[bottom view](#)

Infineon TC1796ED-BC



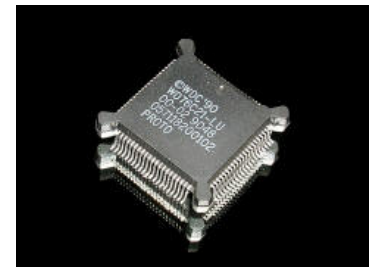
EES, early engineering Sample
extremely rare piece!!
[bottom view](#)

WD76C10LP-LR



Singapore, 9101, Prototype
[bottom view](#)

WD76C21-LU

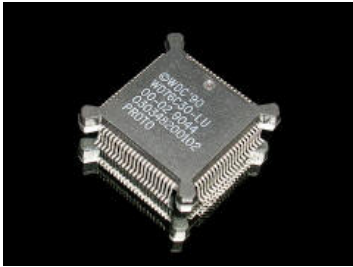


9050, Prototype

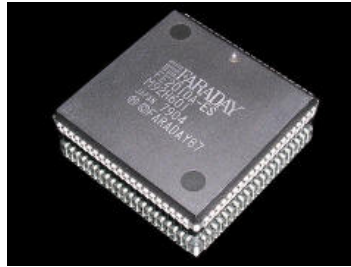
FARADAY FE2010A-ES

FARADAY FE3000A-ES

WD76C30-LU



9044, Prototype



Engineering Sample



Military Engineering Sample